



OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/057,487

DATE: 10/24/2002
 TIME: 16:24:03

Input Set : A:\87020073.txt
 Output Set: N:\CRF4\10242002\J057487.raw

3 <110> APPLICANT: Wyeth
 5 <120> TITLE OF INVENTION: AggreCANase Molecules
 7 <130> FILE REFERENCE: 08702.0073
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/057,487
 C--> 9 <141> CURRENT FILING DATE: 2002-01-25
 9 <150> PRIOR APPLICATION NUMBER: 60/241,469
 10 <151> PRIOR FILING DATE: 2000-10-18
 12 <160> NUMBER OF SEQ ID NOS: 8
 14 <170> SOFTWARE: PatentIn version 3.1
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 242
 18 <212> TYPE: PRT
 19 <213> ORGANISM: Homo sapiens
 21 <400> SEQUENCE: 1
 23 His Pro Ser Cys Leu Gln Ala Leu Glu Pro Gln Ala Val Ser Ser Tyr
 24 1 5 10 15
 27 Leu Ser Pro Gly Ala Pro Leu Lys Gly Arg Pro Pro Ser Pro Gly Phe
 28 20 25 30
 31 Gln Arg Gln Arg Gln Arg Arg Ala Ala Gly Gly Ile Leu His
 32 35 40 45
 35 Leu Glu Leu Leu Val Ala Val Gly Pro Asp Val Phe Gln Ala His Gln
 36 50 55 60
 39 Glu Asp Thr Glu Arg Tyr Val Leu Thr Asn Leu Asn Ile Gly Ala Glu
 40 65 70 75 80
 43 Leu Leu Arg Asp Pro Ser Leu Gly Ala Gln Phe Arg Val His Leu Val
 44 85 90 95
 47 Lys Met Val Ile Leu Thr Glu Pro Glu Gly Ala Pro Asn Ile Thr Ala
 48 100 105 110
 51 Asn Leu Thr Ser Ser Leu Leu Ser Val Cys Gly Trp Ser Gln Thr Ile
 52 115 120 125
 55 Asn Pro Glu Asp Asp Thr Asp Pro Gly His Ala Asp Leu Val Leu Tyr
 56 130 135 140
 59 Ile Thr Arg Phe Asp Leu Glu Leu Pro Asp Gly Asn Arg Gln Val Arg
 60 145 150 155 160
 63 Gly Val Thr Gln Leu Gly Gly Ala Cys Ser Pro Thr Trp Ser Cys Leu
 64 165 170 175
 67 Ile Thr Glu Asp Thr Gly Phe Asp Leu Gly Val Thr Ile Ala His Glu
 68 180 185 190
 71 Ile Gly His Ser Phe Gly Leu Glu His Asp Gly Ala Pro Gly Ser Gly
 72 195 200 205
 75 Cys Gly Pro Ser Gly His Val Met Ala Ser Asp Gly Ala Ala Pro Arg
 76 210 215 220
 79 Ala Gly Leu Ala Trp Ser Pro Cys Ser Arg Arg Gln Leu Leu Ser Leu

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80 225                230                235                240
83 Leu Arg
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88 <211> LENGTH: 1045
89 <212> TYPE: DNA
90 <213> ORGANISM: Homo sapiens
92 <400> SEQUENCE: 2
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95 gctgaatgcg gactggggac ggacgtccgg agggctggct ggaagctcgc gcgcccctcc      120
97 caccggggcg gcgtacctg agcaggctca gcagctgccg gcggctgcag ggggaccagg      180
99 cgaggccggc gcggggcgcg gcgcgcctcg aagccatcac gtgtccgctg gggccgcagc      240
101 cgtgcgcggg cgcgcgcctg tgctccaggg cgaagctgtg cccaatctca tgggcaatgg      300
103 tgactccagc gtcgaagcca gtgtccctcg taatgaggca gctccagggt ggggagcagg      360
105 caccgcccag ctgqgtgacg cccgcacact gccggttacc atcaggcaac tccagggtcaa      420
107 acctagtgat atagaggacc aggtcagcat ggccaggatc cgtgtcgtcc tcagggttga      480
109 tgggtctggt ccacccacag acgtcagca gggacgaggt gaggttggct gtgatatttg      540
111 gageaccctc aggtctctgc agaataacca tcttcaccag gtgcaccoga aactgagccc      600
113 ccagggacgg gtcgcgaagc agttctgccc cgatggttag gttggtgagc acatagcgct      660
115 ctgtgtcctc ctggtgagcc tggaaagacat cggggcccac ggccaccagc agctccagggt      720
117 gtaggatgcc gcttcagccc cgcctctgcc tctgcctctg cctctggaag ccagggggag      780
119 gagggcgggc ttttaaggga gcaccagggc tcaagtaaga agacacggcc tgtggctcca      840
121 aagcctgaag acaactcggg tgctacacac acagcggccc ccagttccc ttccggcggt      900
123 cgcctctctc atccccatcc cggatcttgg ggaggtcctc ggcttgcccc agtcaaactc      960
125 gaggttctcc ctatagttag tcgtattaat ttcagaggag tatttagaag agaagctgaa      1020
127 gctgtcgaga caaacgaaac tagtg                                     1045
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131 <211> LENGTH: 1045
132 <212> TYPE: DNA
133 <213> ORGANISM: homo sapiens
135 <400> SEQUENCE: 3
136 cactagtttc gtttgtctcg acagcttcag cttctcttct aaatactcct ctgaaattaa      60
138 tacgactcac tatagggaga acctcgagtt tgactggggc aagccgagga cctccccaag      120
140 atccgggatg gggatgagag atgcgaacgc cggaagggaa ctggggggcc gctgtgtgtg      180
142 tagcacccca gttgtcttca ggctttggag ccacaggccg tgtcttctta cttgagccct      240
144 ggtgtccctt taaaaggccg cctccttccc cctggcttcc agaggcagag gcagaggcag      300
146 aggcgggctg caggcggcat cctacacctg gagctgctgg tggccgtggg ccccgatgtc      360
148 ttccaggctc accaggagga cacagagcgc tatgtgtcca ccaacctcaa catcggggca      420
150 gaaactgctt cgggaccgct cctgggggct cagtttcggg tgcacctggg gaagatggtc      480
152 attctgacag agcctgaggg tgctccaaat atcacagcca acctcacctc gtccctgctg      540
154 agcgtctgtg ggtggagcca gaccatcaac cctgaggacg acacggatcc tggccatgct      600
156 gacctggtcc tctatataca taggtttgac ctggagtgc ctgatggtaa ccggcagggt      660
158 cggggcgctc cccagctggg cgggtgctgc tccccaaact ggagctgcct cattaccgag      720
160 gacactggct tcgacctggg agtcaccatt gcccatgaga ttgggcacag cttcggcctg      780
162 gagcacgacg gcgcgcccgg cagcggctgc ggccccagcg gacacgtgat ggcttcggac      840
164 ggcgcgcgcg cccgcgcggg cctgcgcctg tccccctgca gccgcgggca gctgctgagc      900
166 ctgtcaggt agcgcgcgcc ccgtgggagg ggcgcgcgag ctccagcca gccctccgga      960
168 cgtccgtccc cactccgcat tcagccctcc ttcctgtcct acctctccat cctgaccaca      1020
170 ctgttaggcc tctttggcgg aattc                                     1045
173 <210> SEQ ID NO: 4

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Input Set : A:\87020073.txt

Output Set: N:\CRF4\10242002\J057487.raw

174 <211> LENGTH: 2217

175 <212> TYPE: DNA

176 <213> ORGANISM: homo sapiens

178 <400> SEQUENCE: 4

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181 gatggcttcg gaacggcgcc gcccgcgcc gccctcgcc gggtcccccctg cagccgcggg      120
183 cagctgctga gctgtctcag accgtccct cgtgcgcgc tccctctgct gccacccac      180
185 ctctgcgcgc gcaggagcct tagtcttggt ccagccaag agccggctcc tggtaggggg      240
187 cgcgggccga gaactcctgt tccactcac aaaaggccac gcttccaaac gcttccatcc      300
189 tegtccccac tcttcgctcc cgcctcctcc cgtgtgtacac cccgggactg agccgggcct      360
191 gagccggggc ttgtgcgagc gcatgacggg cgcgctgggt tgggaccgc cgcggcctca      420
193 acccggttcc gcggggcacc cgcggaatgc gcacctgggc ctctactaca gcgccaacga      480
195 gcagtgcgcg gtggccttcg gcccgaaggc tgtgcgctgc accttcgcca gggagcacct      540
197 ggtgagctct ccggcggttg cctgggattg gctgtgaggt ccttcgcat caccagctc      600
199 acgtccccc aaacgtgcat ggatatgtgc caggccctct cctgccacac agaccgctg      660
201 gaccaaagca gctgcagccg cctcctcgtt cctctcctgg atgggacaga atgtggcgtg      720
203 gagaagtggg gctccaaggg tegtgcgcgc tccctgggtg agctgacccc catagcagca      780
205 gtgcatgggc gctggtctag ctggggctcc cgaagtccct gctcccgctc ctgcggagga      840
207 ggtgtggtca ccaggaggcg gcagtgaac aaacccagac ctgccttttg ggggcgtgca      900
209 tgtgttggtg ctgacctcca ggcgagatg tgcaacactc aggcctgcga gaagaccag      960
211 ctggagttca tgcgcaaca gtgcgcaag accgacggcc agccgtgcg ctctccct      1020
213 ggcggcgccct ccttctacca ctggggtgct gctgtaccac acagccaagg ggatgctctg      1080
215 tgcagacaca tgtgcgggc cattggcgag agcttcatca tgaagcgtgg agacagcttc      1140
217 ctgagtgga cccggtgtat gccaagtggc ccccgggagg acgggacct gagcctgtgt      1200
219 gtgtcgggca gctgcaggac atttggtgtg gatggtagga tggactccca gcaggatgg      1260
221 gacaggtgcc aggtgtgtgg tggggacaac agcacgtgca gccacggaa gggctctttc      1320
223 acagctggca gagcgagaga atatgtcacg tttctgacag ttaccccaa cctgaccagt      1380
225 gtctacattg ccaaccacag gcctctcttc acacacttgg cggtaggat cggagggcgc      1440
227 tatgtcgtgg ctgggaagat gacatctcc cctaacacca cctaccctc cctcctggag      1500
229 gatggtcgtg tcgagtacag agtggccctc accgaggacc ggctgccccg cctggaggag      1560
231 atccgcatct ggggacctc ccagggaagat gctgacatcc aggtgggagg tgtcagagcc      1620
233 cagctcatgc acatcagctg gtggagcagg cctggccttg gagaacgaga cctgtgtgcc      1680
235 aggggcagat ggcctggagg ctccagtgc tgaggggcct ggctccgtag atgagaagct      1740
237 gcctgcccct gagccctgtg tcgggatgtc atgtcctcca ggctggggcc atctggatgc      1800
239 cacctctgca ggggagaagg ctccctcccc atggggcagc atcaggacgg gggtcaagc      1860
241 tgcacacgtg tggacccttg cggcagggtc gtgctccgtc tctgcgggc gaggtctgat      1920
243 ggagctgcgt ttctgtgca tggactctgc cctcagggtg cctgtccagg aagagctgtg      1980
245 tggcctggca agcaagcctg ggagccggcg ggaggtctgc caggctgtcc cgtgccctgc      2040
247 tcggtggcag tacaagctgg cggcctgcag cgtgagctgt gggagagggg tcgtgcggag      2100
249 gacctgtat tgtgcccggg cccatgggga ggacgatggt gaggagatcc tgttgacac      2160
251 ccagtgcag gggctgcctc gcccggaacc ccaggaggcc tgcagcctgg agccctg      2217

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254 <210> SEQ ID NO: 5

255 <211> LENGTH: 365

256 <212> TYPE: PRT

257 <213> ORGANISM: homo sapiens

259 <220> FEATURE:

260 <221> NAME/KEY: MISC_FEATURE

261 <223> OTHER INFORMATION: unknown amino acid

264 <220> FEATURE:

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Input Set : A:\87020073.txt

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265 <221> NAME/KEY: MISC_FEATURE
266 <222> LOCATION: (365)..(365)
267 <223> OTHER INFORMATION: unknown amino acid
270 <400> SEQUENCE: 5
272 Met Asp Met Cys Gln Ala Leu Ser Cys His Thr Asp Pro Leu Asp Gln
273 1 5 10 15
276 Ser Ser Cys Ser Arg Leu Leu Val Pro Leu Leu Asp Gly Thr Glu Cys
277 20 25 30
280 Gly Val Glu Lys Trp Cys Ser Lys Gly Arg Cys Arg Ser Leu Val Glu
281 35 40 45
284 Leu Thr Pro Ile Ala Ala Val His Gly Arg Trp Ser Ser Trp Gly Pro
285 50 55 60
288 Arg Ser Pro Cys Ser Arg Ser Cys Gly Gly Gly Val Val Thr Arg Arg
289 65 70 75 80
292 Arg Gln Cys Asn Asn Pro Arg Pro Ala Phe Gly Gly Arg Ala Cys Val
293 85 90 95
296 Gly Ala Asp Leu Gln Ala Glu Met Cys Asn Thr Gln Ala Cys Glu Lys
297 100 105 110
300 Thr Gln Leu Glu Phe Met Ser Gln Gln Cys Ala Arg Thr Asp Gly Gln
301 115 120 125
304 Pro Leu Arg Ser Ser Pro Gly Gly Ala Ser Phe Tyr His Trp Gly Ala
305 130 135 140
308 Ala Val Pro His Ser Gln Gly Asp Ala Leu Cys Arg His Met Cys Arg
309 145 150 155 160
312 Ala Ile Gly Glu Ser Phe Ile Met Lys Arg Gly Asp Ser Phe Leu Asp
313 165 170 175
316 Gly Thr Arg Cys Met Pro Ser Gly Pro Arg Glu Asp Gly Thr Leu Ser
317 180 185 190
320 Leu Cys Val Ser Gly Ser Cys Arg Thr Phe Gly Cys Asp Gly Arg Met
321 195 200 205
324 Asp Ser Gln Gln Val Trp Asp Arg Cys Gln Val Cys Gly Gly Asp Asn
325 210 215 220
328 Ser Thr Cys Ser Pro Arg Lys Gly Ser Phe Thr Ala Gly Arg Ala Arg
329 225 230 235 240
332 Glu Tyr Val Thr Phe Leu Thr Val Thr Pro Asn Leu Thr Ser Val Tyr
333 245 250 255
336 Ile Ala Asn His Arg Pro Leu Phe Thr His Leu Ala Val Arg Ile Gly
337 260 265 270
340 Gly Arg Tyr Val Val Ala Gly Lys Met Ser Ile Ser Pro Asn Thr Thr
341 275 280 285
344 Tyr Pro Ser Leu Leu Glu Asp Gly Arg Val Glu Tyr Arg Val Ala Leu
345 290 295 300
348 Thr Glu Asp Arg Leu Pro Arg Leu Glu Glu Ile Arg Ile Trp Gly Pro
349 305 310 315 320
352 Leu Gln Glu Asp Ala Asp Ile Gln Val Gly Gly Val Arg Ala Gln Leu
353 325 330 335
356 Met His Ile Ser Trp Trp Ser Arg Pro Gly Leu Gly Glu Arg Asp Leu
357 340 345 350

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W--> 360 Cys Ala Arg Gly Arg Trp Pro Gly Gly Ser Ser Asp Xaa

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Input Set : A:\87020073.txt

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361          355          360          365
364 <210> SEQ ID NO: 6
365 <211> LENGTH: 738
366 <212> TYPE: PRI
367 <213> ORGANISM: homo sapien
369 <220> FEATURE:
370 <221> NAME/KEY: MISC_FEATURE
371 <222> LOCATION: (43)..(43)
372 <223> OTHER INFORMATION: unknown amino acid
375 <220> FEATURE:
376 <221> NAME/KEY: MISC_FEATURE
377 <222> LOCATION: (192)..(192)
378 <223> OTHER INFORMATION: unknown amino acid
381 <220> FEATURE:
382 <221> NAME/KEY: MISC_FEATURE
383 <222> LOCATION: (255)..(255)
384 <223> OTHER INFORMATION: unknown amino acid
387 <220> FEATURE:
388 <221> NAME/KEY: MISC_FEATURE
389 <222> LOCATION: (258)..(258)
390 <223> OTHER INFORMATION: unknown amino acid
393 <220> FEATURE:
394 <221> NAME/KEY: MISC_FEATURE
395 <222> LOCATION: (374)..(374)
396 <223> OTHER INFORMATION: unknown amino acid
399 <220> FEATURE:
400 <221> NAME/KEY: MISC_FEATURE
401 <222> LOCATION: (397)..(397)
402 <223> OTHER INFORMATION: unknown amino acid
405 <220> FEATURE:
406 <221> NAME/KEY: MISC_FEATURE
407 <222> LOCATION: (452)..(452)
408 <223> OTHER INFORMATION: unknown amino acid
411 <220> FEATURE:
412 <221> NAME/KEY: MISC_FEATURE
413 <222> LOCATION: (458)..(458)
414 <223> OTHER INFORMATION: unknown amino acid
417 <220> FEATURE:
418 <221> NAME/KEY: MISC_FEATURE
419 <222> LOCATION: (475)..(475)
420 <223> OTHER INFORMATION: unknown amino acid
423 <220> FEATURE:
424 <221> NAME/KEY: MISC_FEATURE
425 <222> LOCATION: (487)..(487)
426 <223> OTHER INFORMATION: unknown amino acid
429 <400> SEQUENCE: 6
431 Ser Phe Gly Leu Glu His Asp Gly Ala Pro Gly Ser Gly Cys Gly Pro
432 1          5          10          15
435 Ser Gly His Val Met Ala Ser Glu Arg Arg Arg Pro Ala Pro Ala Ser

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/057,487

DATE: 10/24/2002
TIME: 16:24:04

Input Set : A:\87020073.txt
Output Set: N:\CRF4\10242002\J057487.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; Xaa Pos. 365

Seq#:6; Xaa Pos. 43,192,255,258,374,397,452,458,475,487

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Input Set : A:\87020073.txt

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:352
L:439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:32
L:475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:176
L:491 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:240
L:495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:256
L:523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:368
L:527 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:384
L:543 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:448
L:547 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:464
L:551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:480